

ABSTRACT OF THE DISCLOSURE

A wavetable synthesizer is controlled by dynamically determining a present CPU loading estimate associated with a song being played by the wavetable synthesizer. An interpolation degree is determined based on the present CPU
5 loading estimate, and the wavetable synthesizer is adjusted to utilize the interpolation degree when playing the song. This technique can be used to enable the wavetable synthesizer to generate a varying number of simultaneous voices at, for example, a highest-quality without exceeding a predetermined maximum permissible CPU load limit.